

# Soil Investigation

## Soil Moisture Study Site Work Sheet

Create a unique name for your site and give concise directions to it.

Site name: \_\_\_\_\_

Directions: \_\_\_\_\_  
\_\_\_\_\_

Coordinates: LATITUDE: \_\_\_\_\_ LONGITUDE: \_\_\_\_\_ ELEV: \_\_\_\_\_ m

Source of Lat/Lon (check one): GPS \_\_\_\_\_ Other \_\_\_\_\_

### Site Metadata

Distance to nearest rain gauge or instrument shelter: \_\_\_\_\_ m; Direction \_\_\_\_\_

Distance to nearest Soil Characterization Sample Site: \_\_\_\_\_ m; Direction \_\_\_\_\_

State of Soil Moisture Study Site:

Natural \_\_\_\_\_, Plowed \_\_\_\_\_, Graded \_\_\_\_\_, Backfill \_\_\_\_\_, Compacted \_\_\_\_\_, Other \_\_\_\_\_

Surface Cover:

Bare Soil \_\_\_\_\_, Short grass (<10 cm) \_\_\_\_\_, Long grass (10 cm) \_\_\_\_\_

Canopy Cover:

Open \_\_\_\_\_, Some Trees within 30 m \_\_\_\_\_, Canopy Overhead \_\_\_\_\_

Structures within 30 m: No \_\_\_\_\_, Yes (describe size) \_\_\_\_\_

Soil Characterization:

(Take these values from the Soil Characterization Data Work Sheet for the nearest Soil Characterization Sample Site.)

	0-5 cm	10 cm	30 cm	60 cm	90 cm
Structure	_____	_____	_____	_____	_____
Color	_____	_____	_____	_____	_____
Consistence	_____	_____	_____	_____	_____
Texture	_____	_____	_____	_____	_____
Rocks:	_____	_____	_____	_____	_____
Roots:	_____	_____	_____	_____	_____
Bulk Density	_____	_____	_____	_____	_____

Soil Particle Size Distribution:

% Sand	_____	_____	_____	_____	_____
% Silt	_____	_____	_____	_____	_____
% Clay	_____	_____	_____	_____	_____

Did you choose USDA \_\_\_\_\_ or ISSS \_\_\_\_\_ definitions of sand and silt?

Soil Moisture Study Site Work Sheet (continued)

Land Cover Classification: (follow Land Cover protocol)

Most detailed MUC Code

Enter MUC Name

Collector’s comments:

Site Sketch:

(Scale 1 square = )